

ABSTRACT OF THE DISCLOSURE**METHOD AND APPARATUS FOR GENERATING A VIRTUAL CLOCK IN A
DATA PROCESSING SYSTEM**

5 A method, apparatus, and computer instructions for
managing a set of virtual clocks in a data processing
system with multiple partitions. A "set-time-of-day"
command is used in connection with each virtual clock to
define a basis for its local date/time state via the
following elements: (1) a partition peculiar time base
10 reference value, and (2) a partition peculiar time offset
reference value which corresponds to the state of an
elapsed time counter at the point in time when the time
base reference value is established. The partition time
base reference and offset reference values are stored in
15 memory. When executing a "get-time-of-day" command,
these are retrieved along with the current state of the
elapsed time counter facility to compute the current
date/time state of the virtual clock for the partition.

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